

FIG. 1

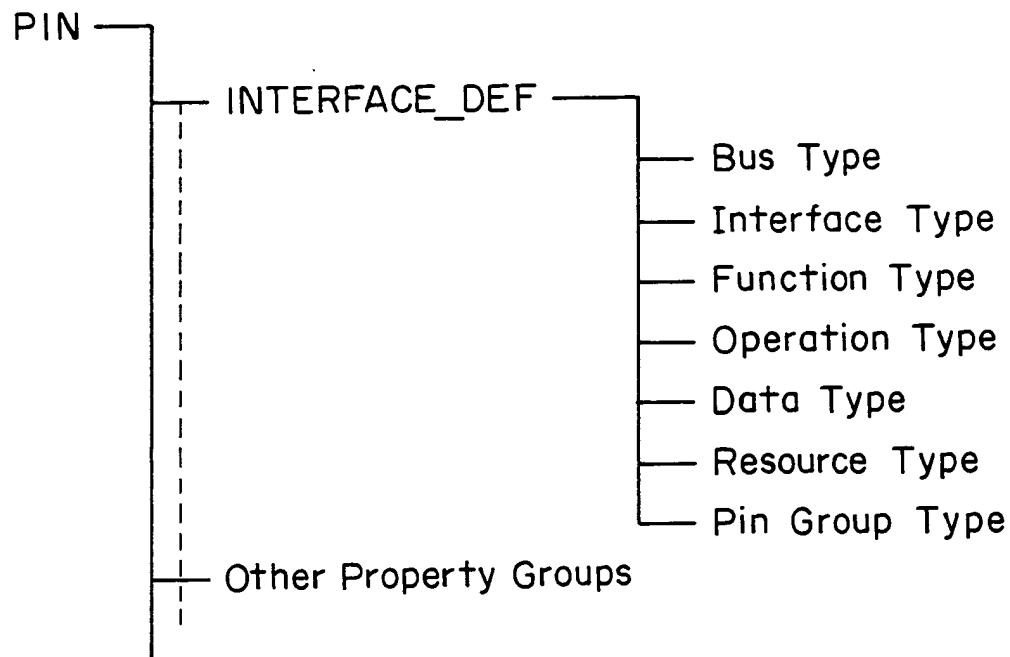


FIG. 2

COMPONENT PowerPC401 PROPERTIES{

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COMPOSITE_PROPERTY_INTERFACE_DEF{
    PROPERTY BUS_TYPE: {PLB, OCM, DCR, ect.};

    PROPERTY INTERFACE_TYPE: {MASTER, ISOCM, DSOCM, SYSTEM, EIC., ISSD, JTAG,...};

    PROPERTY FUNCTION_TYPE: {READ_OR_WRITE, READ, WRITE, INTERRUPT, FETCH,...};

    PROPERTY OPERATION_TYPE : { ACKNOWLEDGE, BUSY, ERROR, VALID, ABORT, ENABLE,
                                GUARDED_TRANSFER, COMPRESSED_TRANSFER, REQUEST,
                                SIZE, BYTE_ENABLE, ADJUST, HOLD,...}

    PROPERTY DATA_TYPE: { ADDRESS, DATA, PRIORITY_DATA, INSTRUCTION,...};

    PROPERTY RESOURCE_TYPE: {BUS, WRITE_BUS, READ_BUS,...};

    PROPERTY PIN_GROUP/L: {DCU, ICU, IN, OUT, CONROL,...};

};

PROPERTY CONNECTION_LOGIC: {CONCAT, OR, AND, XOR, NOT };

pin ICU_plhRequest {
    INTERFACE_DEF= {PLB, MASTER, FETCH, REQUEST, INSTRUCTION, BUS, ICU };
};

pin PLB_dcuAddrAck{
    INTERFACE_DEF= {PLB, MASTER, READ_OR_WRITE, ACKNOWLEDGE, ADDRESS,
                   BUS, DCU};
};

pin PLB_icuRdDBus{
    INTERFACE_DEF= {PLB, MASTER, READ, NA, DATA, BUS, ICU};
};

pin DCR_cpuAck{
    INTERFACE_DEF= {DCR, NA, READ_OR_WRITE, ACKNOWLEDGE, DATA, NA, CONTROL};
    CONNECTION_LOGIC= { OR };
};

.....
.....

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FIG. 3

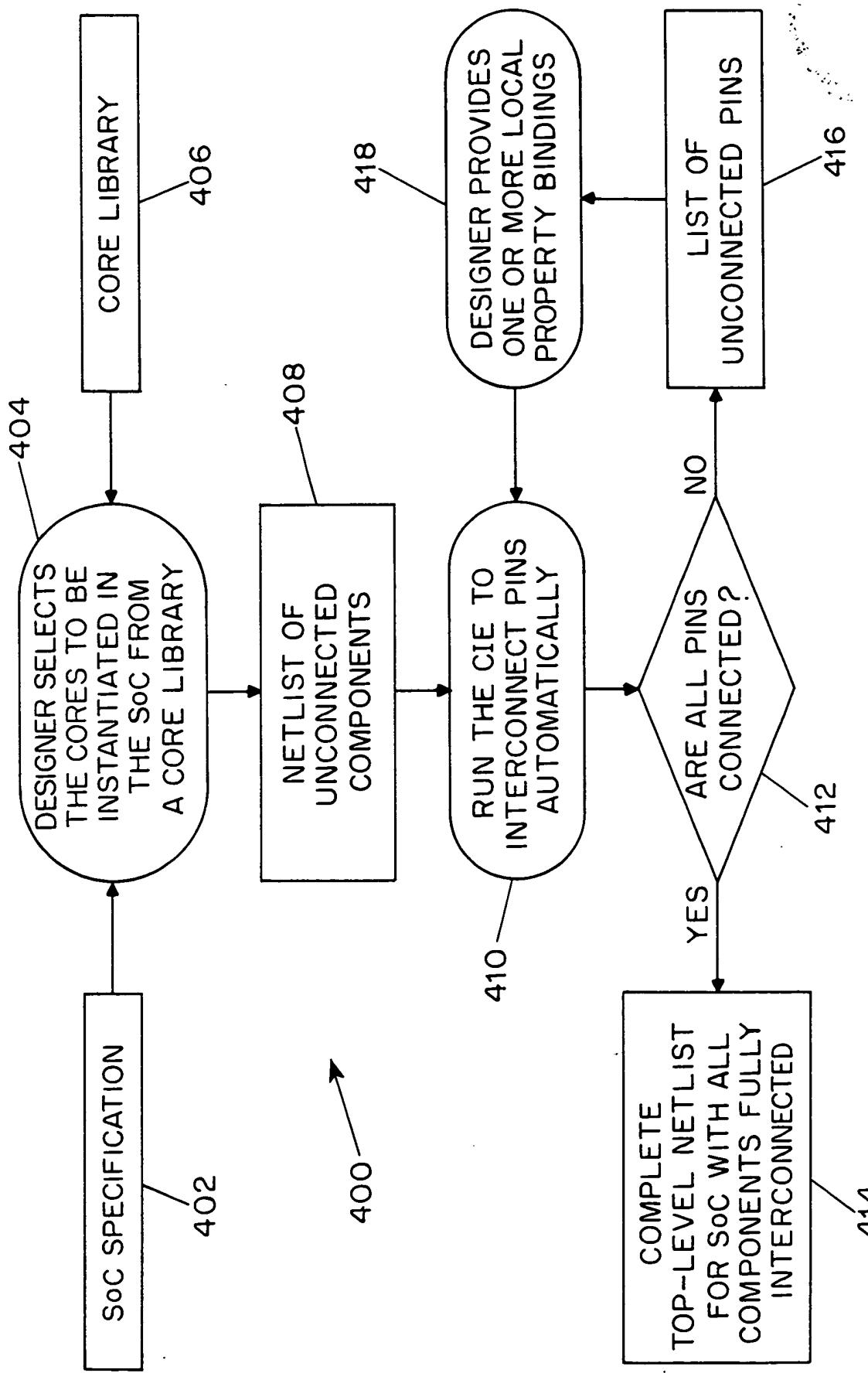


FIG. 4

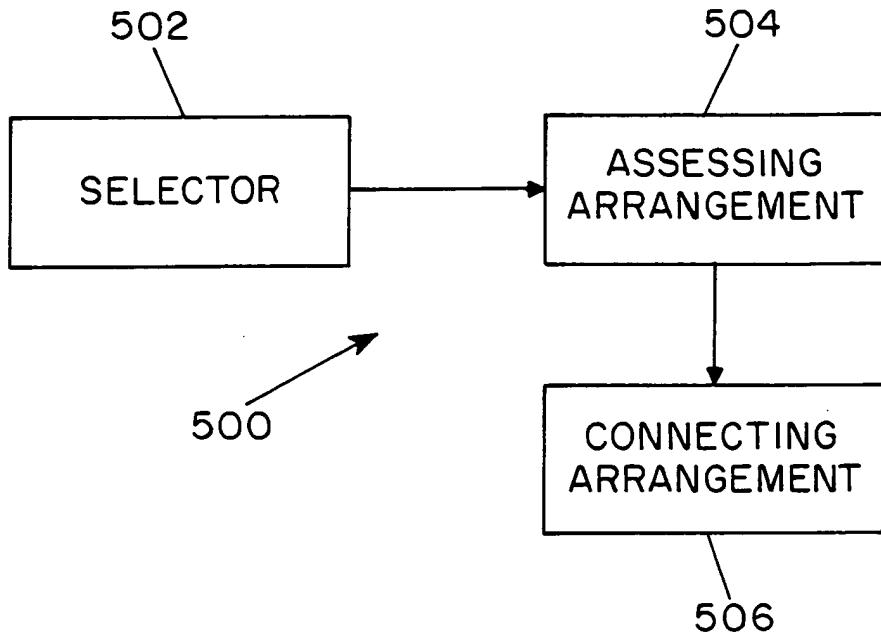


FIG. 5